

up against lateral movement by the substance of the plate, and also having a die-socket opening through the die to the front and rear of the plate, all substantially as described. 9th. In combination with the die-plate *a*, having an intermittent rotation, and bearing a plural number of sectional heading-dies *D*, the sliding wedge with bevelled and projecting end, the complementary heading die *d*¹⁰, the spring-seated plunger *d*¹¹, the butt-piece and the wedge-operating cam *d*¹⁴, all substantially as described. 10th. In a machine of the within-described class, the wire straightening lever bearing, the guide-rolls, the feed-rolls borne in the machine, and the swinging lever of the stop device held in contact with the wire of stock as it is fed into the machine and adapted to swing across its path and stop the machine when the end of the wire is reached, all substantially as described. 11th. In combination with the feed-rolls of the within-described machine, the spring-seated bearing-blocks, and the roll-separating device, consisting of a wedge with its points located between the rolls, and connected to a lever pivoted to the frame of the machine, all substantially as described. 12th. In combination with the feed-rolls of the within-described machine, the rod-straightening lever bearing the guide-rolls on opposite sides of the path of the rod as it is fed into the machine, and the removable clamp device, whereby the said lever is clamped in position for use, all substantially as described. 13th. In combination with the feed rolls of the nail machine, the adjustable gauge *l* located in the path of the nail-rod, the cutters for severing a nail-blank from the rod, the cut-off lever, the wiper that operates the cut-off lever, the cut-off lever latch and the stop device, all substantially as described. 14th. In combination with the cut-off device, having a reciprocating live cutter, the slide-block *2* in the path of the cutter, the connecting-rod *3*, the stop-finger *4* and the rotary rod *L* of the stop mechanism, all substantially as described. 15th. The combination of the guideway leading from pair to pair of roller dies and formed between blocks, the outer one of which is removable, the spring-repressed stop-lever *K*, having one end in contact with the removable block *K*₂, and the other in contact with the stop-finger fast to the rotary stop-rod *L* and the stop-finger, all substantially as described. 16th. In combination with the removable block *K*₂, on the inner side of which a portion of the nail-guideway is formed, the stop-lever, composed of the lever part *k* overlapping the lever part *k*₃, and bearing a turn-button with its edge adapted to engage the outer edge of the lever part *k*₃, the spring *k*₅ and the stop finger fast to the stop-rod *L*, all substantially as described. 17th. In combination with the removable cutter-block *K*₂ of the guideway, the spring-repressed lever *k* and the indicator *J*, automatically displayed by the movement of the lever *k*, when the nail-blanks become clogged in the guide-way, all substantially as described.

No. 26,953. Snow Shovel. (*Pelle à neige*.)

John R. McLaren, Jr., Montreal, Que., 15th June, 1887; 5 years.

Claim.—1st. The combination, in a snow shovel, of the blade and the handle bent at its junction therewith, and terminating in a forked end, on which the blade is secured, all as herein set forth. 2nd. The combination of the bent handle *B*, with forked end *b*, blade *A* secured thereon, and rib *D* secured to blade and handle, all substantially as described.

No. 26,954. Tobacco Pipe. (*Pipe à fumer*.)

John G. Bruneau, Quebec, Que., 15th June, 1887; 5 years.

Claim.—1st. The combination, with the stem sections *B*, *C*, of the ferrule *D* having a lateral opening provided with a tube or funnel-shaped orifice *H*, and the bulb *F* removably attached to the ferrule and enclosing the tube, for the purpose set forth. 2nd. The combination of the stem sections *B*, *C*, provided with projecting tubes *B*₁, *C*₁, ferrule *D* having a lateral opening provided with a tube or funnel-shaped orifice *H*, and a bulb *F* attached to the ferrule to enclose the tube, as set forth. 3rd. In a tobacco pipe, the combination of the ferrule *D* having a lateral opening provided with a tube or contracted orifice *H*, a bulb *F* attached to the ferrule, and stem sections *B*, *C* closing the ends of the ferrule, as set forth, whereby nicotine and saliva collected in the bulb cannot return to the stem.

No. 26,955. Faucet. (*Robinet*.)

Seth Beach, Cedar Rapids, Iowa, U.S., 15th June, 1887; 5 years.

Claim.—1st. The shank *B* formed on one end of the faucet, and the lugs *C* projecting outward from the end of the said shank, in combination with the jam-nut *E*, screwing on the threaded part *D* of the faucet *A*, substantially as shown and described. 2nd. The tin can *F* having an aperture *G* and the plate *H* covering the said aperture from the inside of the can, in combination with the faucet *A*, provided with the shank *B* having the lugs *C* and the screw-threaded part *D*, substantially as shown and described.

No. 26,956. Cuff Fastener. (*Fermeoir de Poignets*.)

Thomas E. Barrow, Mansfield, Ohio, U.S., 15th June, 1887; 5 years.

Claim.—1st. The combination, with the contiguous spring bars, one or both of which is recessed, as described, of means carried by said bars for securing them to the cuff button, substantially as and for the purpose hereinbefore set forth. 2nd. The combination, with the contiguous spring bars forming recesses for holding, and being adjusted upon the wrist band stud, of a loop for engaging the cuff button, substantially as and for the purpose hereinbefore set forth. 3rd. The combination, with the contiguous spring bars having a series of communicating recesses for engagement with and adjustment upon the wrist-band stud, of a relatively small loop adapted to encircle the shank of the cuff button, and a relatively large loop adapted to be passed over the head of the cuff button shank and over the wrist-band stud, substantially as and for the purpose hereinbefore set forth.

No. 26,957. Wire Drawing Machine. (*Filière à Tirer*.)

Martin F. Roberts, Kilburn, Eng., 15th June, 1887; 5 years.

Claim.—1st. The combination, with the driving shaft, a counter-

shaft driven therefrom, a friction disc mounted on a feather key on said countershaft, and means for adjusting the position of said disc on the shaft, of a second friction disc driven at varying speeds as required by the first-named friction disc, and secured on a shaft upon which a drawing through pulley is also secured, substantially as herein set forth for the purpose specified. 2nd. The combination, with the driving shaft, a countershaft driven therefrom, a friction disc mounted on a feather key on said countershaft, and means for adjusting the position of said disc on the shaft, of a second friction disc driven by the first named friction disc and secured on a shaft geared to a shaft on which is secured a wire drawer's block, substantially as herein set forth for the purposes specified. 3rd. The combination, with a series of countershafts driven at varying speeds as required, from a driving shaft of adjustable frictional gearing for driving at varying speeds a series of shafts, one of which is geared to the shaft which carries the wire drawer's block, and the remaining shafts carry drawing through pulleys, substantially as herein set forth for the purposes specified. 4th. The combination, in a wire drawing machine, with a series of pulleys *C* driven at increasing surface speeds, of friction discs *g* and *h* respectively for altering and adjusting the speed of said pulleys, as required, substantially as herein set forth for the purposes specified. 5th. The combination, in a wire drawing machine, with a block *d*, of friction discs *g* and *h* for altering and adjusting the speed of said block, as required, substantially as herein set forth for the purposes specified. 6th. The combination, with a series of countershafts driven at varying speeds from a driving shaft, and transmitting motion by adjustable frictional gearing to a series of shafts on which are secured the drawing through pulleys, of a trough or lubricant reservoir revolving discs, a channel for collecting and guiding the lubricant onto the wire passing through an open channel secured to the die holder, substantially as herein set forth for the purposes specified. 7th. The combination, with a series of countershafts driven at varying speeds from a driving shaft, and transmitting motion by adjustable frictional gearing to a series of shafts on which are secured the drawing through pulleys, and hinged brackets supporting beneath the lubricant adjustable die holders, of a lubricant trough, provided with a well and a piston or plunger for emptying and filling said trough, constructed and arranged substantially as herein set forth for the purposes specified. 8th. The combination, with a drawing through pulley of a die supported in a self-adjusting die-holder, constructed and arranged substantially as herein set forth for the purposes specified. 9th. The combination, with a trough or reservoir containing lubricant, and a revolving disc for raising said lubricant, of means, such as the channel *m* for collecting and guiding said lubricant on to a channel forming part of the die holder, and through which channel the wire passes, substantially as herein set forth for the purposes specified. 10th. The combination, with a bracket secured adjustably to the frame, of a die-holder suspended by a gimbal device, substantially as herein set forth for the purposes specified. 11th. The combination, with a bracket secured adjustably to the frame, of a die-holder suspended by a ball and socket or universal joint, substantially as herein set forth for the purposes specified. 12th. The combination, with a bracket secured adjustably to the frame of a die-holder formed of spiral springs, and arranged substantially as herein set forth for the purposes specified.

No. 26,958. Time Piece. (*Chronomètre*.)

Joseph Pallweber, Salzburg, Austria, 15th June, 1887; 5 years.

Claim.—1st. In a time-piece, the combination of two minute-dials mounted one above the other on the same arbor, and arranged to rotate independently of each other, one of said dials bearing the unit numerals and the other the tens, the latter dial having slots through which the units are exposed to view with a main train, an escapement comprising the pinions *W* and *W*₁ and the spring-actuated pawl-lever *L* controlled from pinion *W*, and controlling the pinion *W*₁, a transmitting-gear to transmit the movements of the pinion *W*₁ to the units minute-dial, and transmitting-gear controlled by the escapement for rotating the tens minute-dial at each complete revolution of the ratchet *W*₁, substantially as described for the purpose specified. 2nd. In a time-piece, the combination of two minute-dials mounted one above the other on the same arbor, and arranged to rotate independently of each other, one of said dials bearing the unit numerals, and the other the tens, the latter dial having slots through which the units are exposed to view with a main train, an escapement comprising the pinions *W* and *W*₁, and the spring-actuated pawl-lever *L* controlled from pinion *W*, and controlling the pinion *W*₁, a transmitting-gear to transmit the movements of the pinion *W*₁ to the units minute-dial, and transmitting-gear consisting of the wheel *C* on the arbor of the pinion *W*₁, and the pinion *C* on the arbor of the minute-dials, substantially as described for the purpose specified. 3rd. In a time-piece, the combination of two superposed hour-dials, one of which bears the hour-unit numerals, and the other two tens numerals and the numerals 22, 23, 24, the latter dial being slotted to expose the numerals on the unit-dial, with a main train and an hour train operating the hour-dials to indicate the hours from 1 to 24 successively, substantially as described. 4th. In a time-piece, the combination of two hour-dials mounted on the same arbor, one of which dials bears the hour-unit numerals, and the other the numerals 12 of the tens, and the numerals 22, 23 and 24, the latter dial being slotted to expose the numerals on the unit-dials with a main-train and an hour-train operating the hour dials to indicate the hours from 1 to 24 successively, substantially as described. 5th. In a time-piece, the combination of two hour-dials mounted on the same arbor and arranged to rotate independently of each other, one of said dials bearing the hour units and the other the numerals 12 of the tens, and the numerals 22, 23 and 24, the latter dial being slotted to expose the units on the unit-dials, with a main-train and an hour-train operating the hour-dials to indicate the hours from 1 to 24 successively, substantially as described. 6th. In a time-piece, the combination of two superposed minute-dials each bearing numerals, one of said dials being slotted to expose the numerals on the other, and two superposed hour-dials each bearing numerals one of said dials being also slotted to expose the numerals on the other with a main-train, a minute-train controlled thereby to operate the minute-dials, and an hour-train controlled by the